



2633
NO Fee

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. 560043610132

Group: 2633)
Examiner: Shi K. Li)
Inventor: George H. BuAbbud)
Serial No.: 09/540,955)
Filed: March 31, 2000)
Title: Bidirectional Frequency Shift)
Coding Using Two Different Codes)
For Upstream And Downstream)

REFILING OF
REPLY TO OFFICE ACTION

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being transmitted via Facsimile to United States Patent & Trademark Facsimile Number (703) 872-9306. A confirmation copy is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 4, 2004.

By *Leanne Kistner*

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

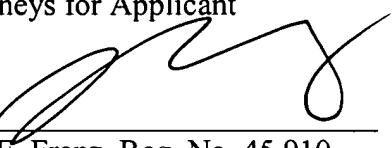
Attached hereto is a copy of Applicant's Office Action Reply ("Reply") originally filed on September 4, 2003. The Examiner called the Applicant's attorney on February 4, 2004 and informed Applicant's attorney that the Reply to the Office Action of June 5, 2003 had not been received.

As evidenced by the OIPE-Stamped Postcard, the Reply was received in the USPTO on September 8, 2003. The Examiner accepted the Applicant's offer to Refile the Reply via facsimile. Because the Reply was originally filed before the three-month period for reply expired, no extension fees are due.

Respectfully submitted,

JONES DAY
Attorneys for Applicant

Date: February 4, 2004

By: 
Paul E. Franz, Reg. No. 45,910

North Point
901 Lakeside Ave.
Cleveland, Ohio 44114
Phone (216) 586-1162



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Express Mail No.: _____

Docket No.: 560043-610132 C

Application No.: 09/540955

Patent/Registration No.: _____

Trademark: _____

Date Mailed: September 4, 2003

Applicant: BuAbbud

Filing Date: March 31, 2000

Issue/Registration Date: _____

Title: BiDirectional Frequency Shift Coding Using Two
Different Codes for Upstream and Downstream

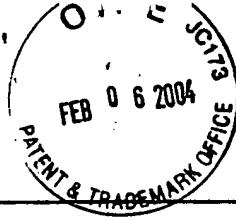
THE USPTO ACKNOWLEDGES AND HAS STAMPED THE DATE OF RECEIPT OF THE ITEMS CHECKED BELOW:

Affidavit (_____ pages)
 Amendment (14 pages)
 Application Papers
 sheets of drawing(s) (formal/informal)
 pages specification
 pages description
 pages claims
 pages abstract
 pages of PCT Request
 PCT Calculation sheet

Application Data Sheet
 Assignment (_____ pages) Assignment cover sheet
 Declaration (_____ pages)
 Declaration/Power of Attorney (_____ pages)
 Fee Transmittal Form - 2 cys
 IDS & PTO-1449 and
 cited item(s)
 Provisional Application for Patent cover sheet



Design Patent Application Transmittal
 Utility Patent Application Transmittal
 Issue Fee Transmittal
 Maintenance Fee Transmittal Form
 Notice of Opposition
 Petition for Extension of Time
 Preliminary Amendment (_____ pages)
 Renewal Application (_____ pages)
 Response (_____ pages)
 Revocation of Power of Attorney and Appointment of New Attorney
 Small Entity Statement
 Specimens
 Statement of Use
 Status Inquiry
 Transmittal Letter
 Check - Amount \$ _____
 Other - Patent Application Fee Determination Record



Express Mail No.: _____
Docket No.: 560043-610132
Application No.: 09/540955
Patent/Registration No.: _____
Trademark: _____

Date Mailed: September 4, 2003
Applicant: BuAbbud
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 PCT Calculation sheet

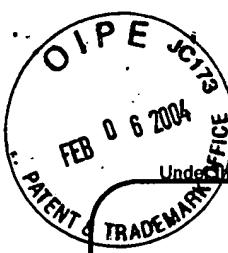
 Application Data Sheet
 Assignment (_____ pages) Assignment cover sheet
 Declaration (_____ pages)
 Declaration/Power of Attorney (_____ pages)
 Fee Transmittal Form - 2 cys
 IDS & PTO-1449 and
 cited item(s)
 Provisional Application for Patent cover sheet

Design Patent Application Transmittal
 Utility Patent Application Transmittal
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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

		Application Number	09/540955
		Filing Date	March 31, 2000
		First Named Inventor	BuAbbud
		Art Unit	2633
		Examiner Name	Shi K. Li
Total Number of Pages in This Submission		Attorney Docket Number	560043610132

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Patent Application Fee Determination Record
Remarks		

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Paul E. Franz, Esq. Jones Day
Signature	
Date	September 4, 2003

CERTIFICATE OF TRANSMISSION/MAILING

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Typed or printed name	Suzanne Koston	
Signature		Date
	September 4, 2003	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FEB 06 2004

PTO/SB/17 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 84.00)

Complete if Known

RECEIVED

09/540955

Filing Date

March 31, 2000

FEB 12 2004

First Named Inventor

BuAbbud

Examiner Name

Shi K. Li

Art Unit

2633

Attorney Docket No.

560043610132

Technology Center 2600

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None Deposit Account:

Deposit Account Number
501432(Ref. 560043610132)
Deposit Account Name
Jones Day

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee			
1002 330	2002 165	Design filing fee			
1003 520	2003 260	Plant filing fee			
1004 750	2004 375	Reissue filing fee			
1005 160	2005 80	Provisional filing fee			
SUBTOTAL (1) (\$)					

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
16	7		-20** = 0	X 0 = 0	
			-3** = 1	X \$84 = \$84	

Large Entity	Small Entity	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$)		84.00

*or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 410	2252 205	Extension for reply within second month	
1253 930	2253 465	Extension for reply within third month	
1254 1,450	2254 725	Extension for reply within fourth month	
1255 1,970	2255 985	Extension for reply within fifth month	
1401 320	2401 160	Notice of Appeal	
1402 320	2402 160	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	Petition to revive - unintentional	
1501 1,300	2501 650	Utility issue fee (or reissue)	
1502 470	2502 235	Design issue fee	
1503 630	2503 315	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Paul E. Franz, Esq.	Registration No. (Attorney/Agent)	45,910	Telephone	216/586-3939
Signature				Date	September 4, 2003

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